

# Building Next-Gen Enterprise Scale Data & Analytics Platform



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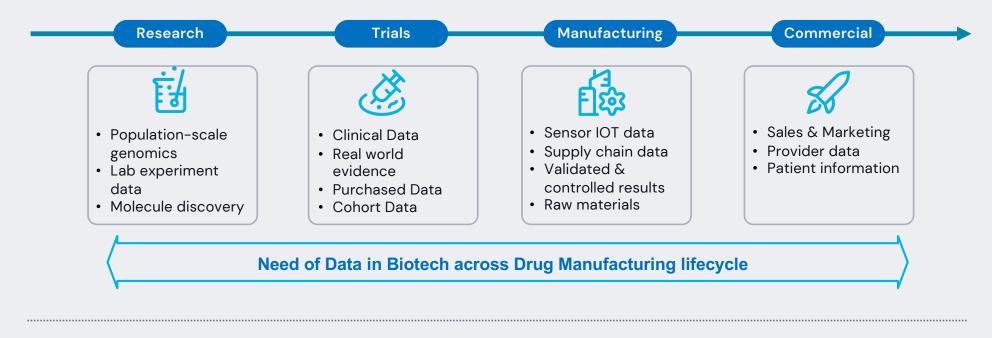
Vickye Jain Principal, ZS Associates

ORGANIZED BY 🗟 databricks

## AMGEN<sup>®</sup> – WHO WE ARE, WHAT WE DO

One of the World's 25 leading independent biotechnology companies **PRODUCTS** ~100 **WORLDWIDE COUNTRIES THERAPEAUTIC** Sensipar<sup>®</sup> (cinacalcet) Tablets Repatha Enbrel etanercept (evolocumab) injection 140 mg/mL 30ma-60ma-90m AREAS **MILLIONS** Kyprolis. XCTE (carfilzomib) for (denosumab) BLINC (blinatumomab) (denosumab)injection **PATIENTS** DATA+AI SUMMIT 2022 AMGEN

## DRUG DISCOVERY TO PRODUCT LAUNCH : DATA IS AT THE CORE OF AMGEN'S BUSINESS





Limited Insights

Slow Performance Low Quality

Not in time



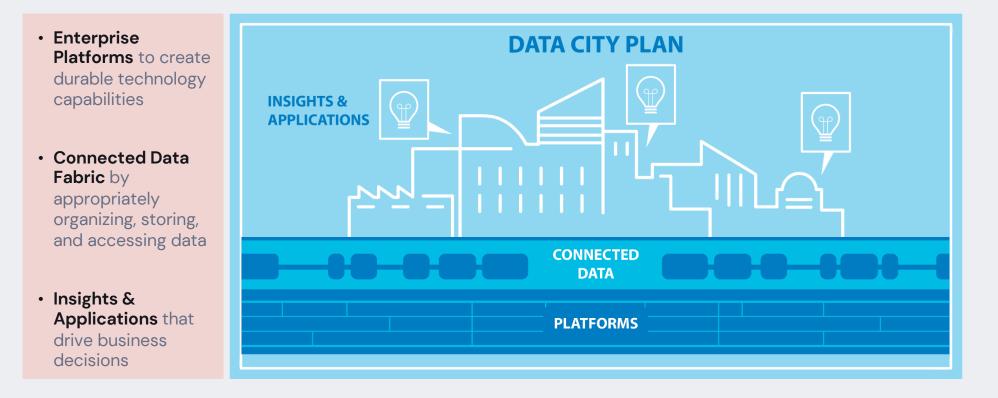
**Too Many Choices** 

**Complex & Expensive** 



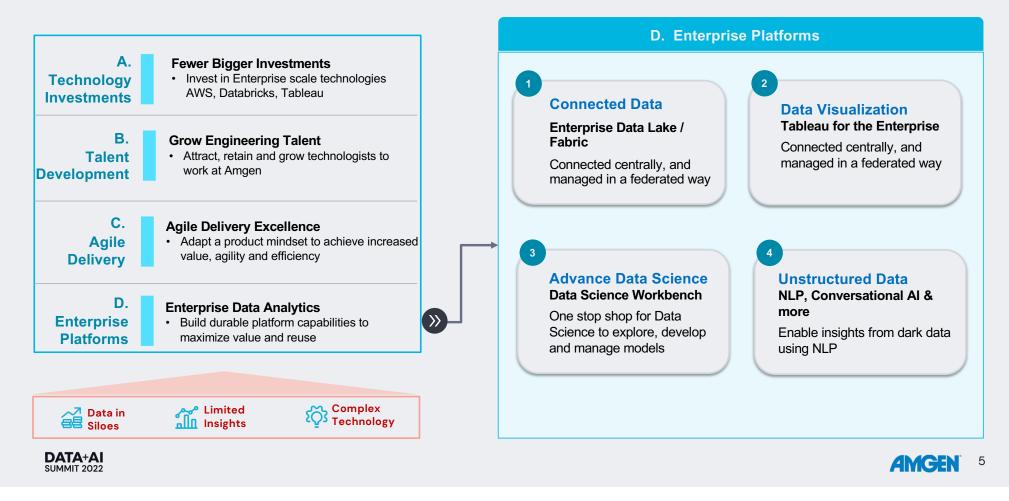


## SUPPORTING BUSINESS NEEDS REQUIRES A HOLISTIC ENTERPRISE STRATEGY TO DEVELOP A 'DATA CITY PLAN'

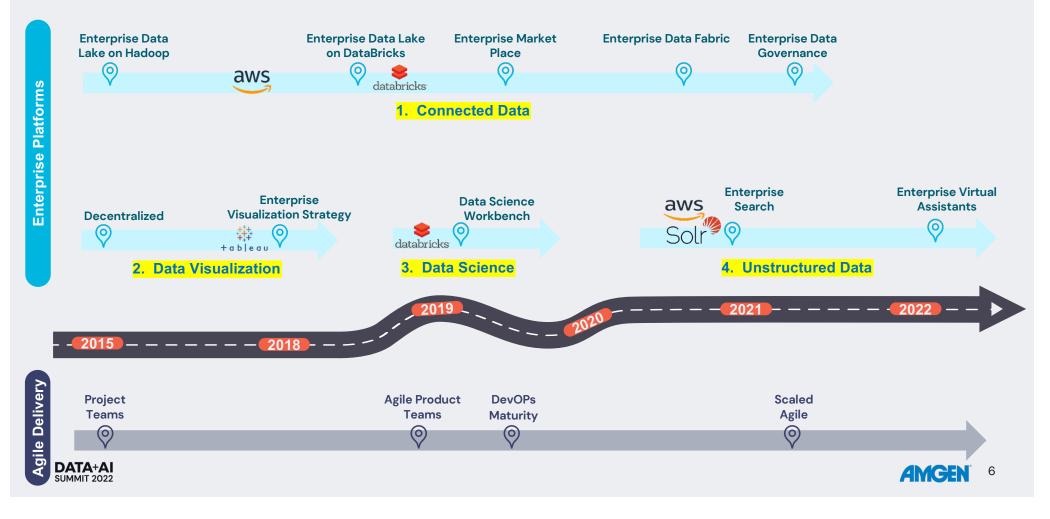




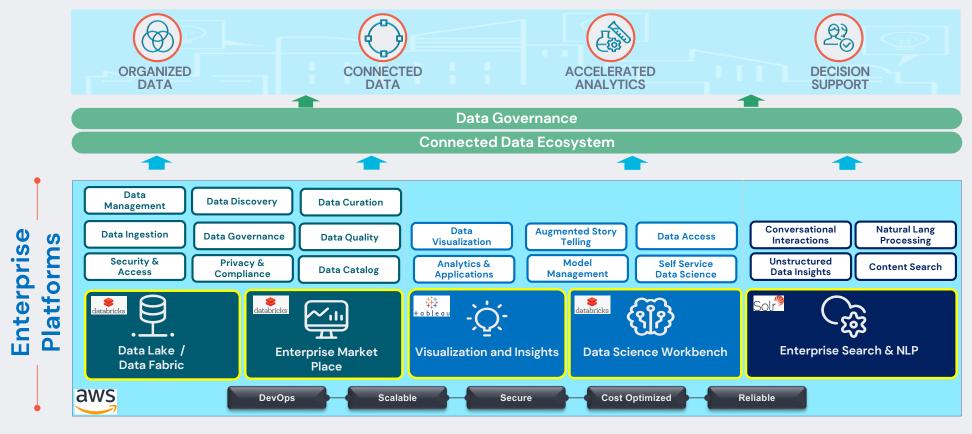
## STRATEGIC CHOICES MADE TOWARDS BUILDING ENTERPRISE SCALE PLATFORMS



## A JOURNEY TOWARDS DEMOCRARIZATION OF DATA ANALYTICS, THROUGH DURABLE ENTERPRISE PLATFORMS



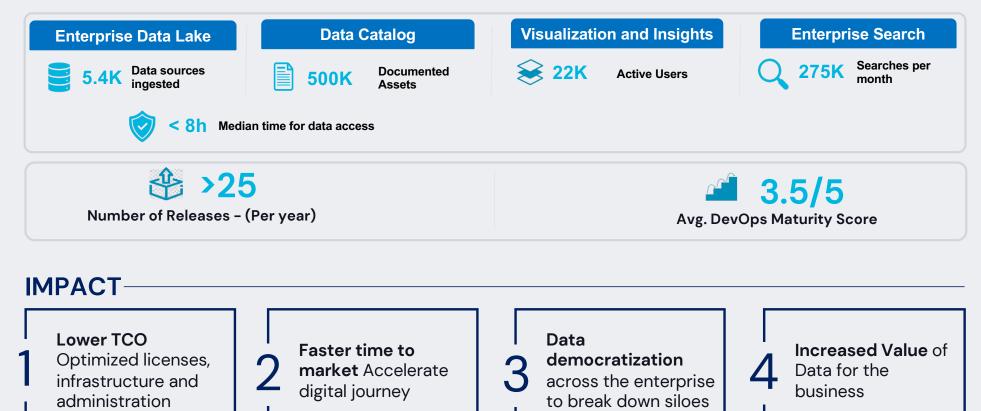
## A 'SUITE OF PLATFORMS' AS BUILDING BLOCKS FOR THE DATA CITY PLAN STRATEGY ACROSS R&D, OPERATIONS AND COMMERCIAL



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## ENTERPRISE PLATFORM – UTILIZATION AND VALUE DELIVERED TO THE BUSINESS



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## WHAT WE LEARNED IN OUR JOURNEY SO FAR





<u>Agility is key</u> - Ensure there is a failfast culture balanced with innovation



<u>User Adoption & Engagement</u> with focus on value delivery through customer centric approach



<u>**Reliability and TCO**</u> must be balanced with speed of delivery and innovation



<u>**Technology Strategy</u>** to take bigger bets in fewer Enterprise scale technologies</u>





#### WE'RE HIRING!

Come Live, Win, and Thrive with us!

### **Explore opportunities at Amgen**

AMGEN

At Amgen, we recognize the hard work and dedication it takes to pursue a degree. We value the skills, practical experience and professional acumen gained on your journey. That's why we offer outstanding opportunities to learn, contribute and ideally launch an internship or full-time career at Amgen. Our mission to serve patients drives all that we do. This shared purpose is key to our becoming one of the world's leading biotechnology companies, launching new medicines that reach over 10 million patients worldwide.







#### About ZS

## ZS IS A GLOBAL PROFESSIONAL SERVICES FIRM COMMITTED TO DRIVING CLIENT IMPACT THROUGH EXPERTISE, INNOVATION AND FLEXIBLE OPERATING MODEL

ZSer's who are committed to helping our clients and their customers thrive





BARCELONA + BOSTON + BENGALURU + BUENOS AIRES + CAMBRIDGE + CHICAGO + EVANSTON + FRANKFURT + LONDON + LOS ANGELES + MILAN + NEW DELHI + NEW YORK + OSAKA + PARIS + PHILADELPHIA + PRINCETON + PUNE + SAN DIEGO + SAN FRANCISCO + SÃO PAULO + SEATTLE + SHANGHAI + SINGAPORE + TOKYO + TORONTO WASHINGTON DC + ZÜRICH

14,00

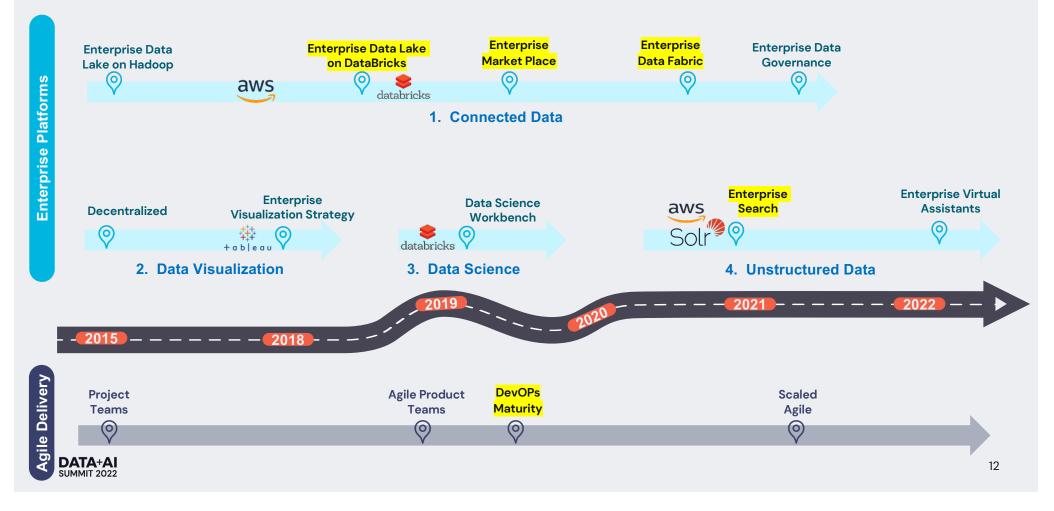
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OFFICES WORLDWIDE

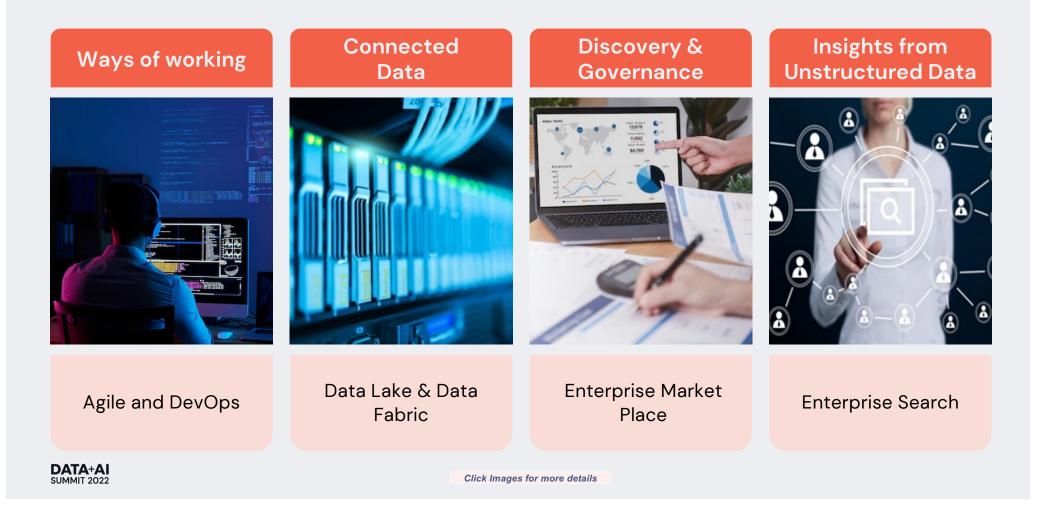
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CLIENTS HAVE EXPERIENCED ZS DIFFERENTIATION ACROSS 30 INDUSTRIES IN OVER 90 COUNTRIES

## A JOURNEY TOWARDS DEMOCRARIZATION OF DATA ANALYTICS, THROUGH DURABLE ENTERPRISE PLATFORMS

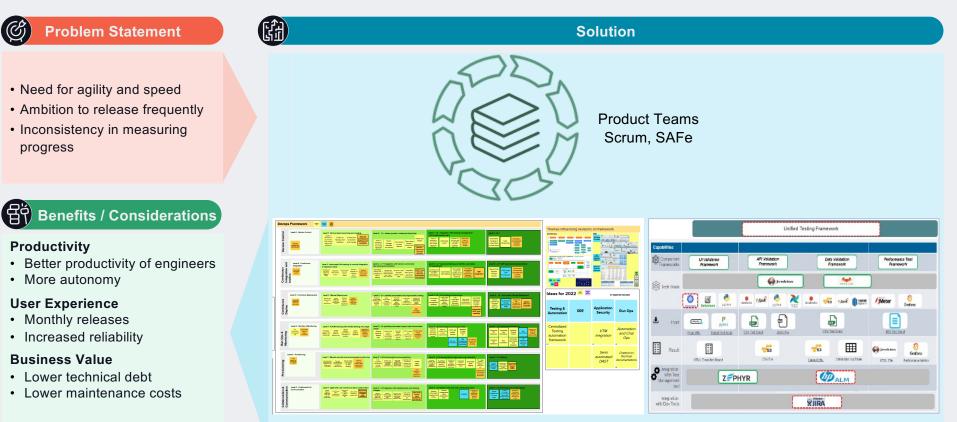


## HIGHLIGHTS OF MARQUEE PROBLEMS AND SOLUTIONS





## **WAYS OF WORKING**



**DevOps Maturity Model** 

Hyper focus on test automation



## **CONNECTED DATA**

#### C Problem Statement

- Explosion of analytics apps
- Duplicative capability spend
- Elusive cross-functional insights
- Silos owing to data privacy

### Benefits / Considerations

#### Productivity

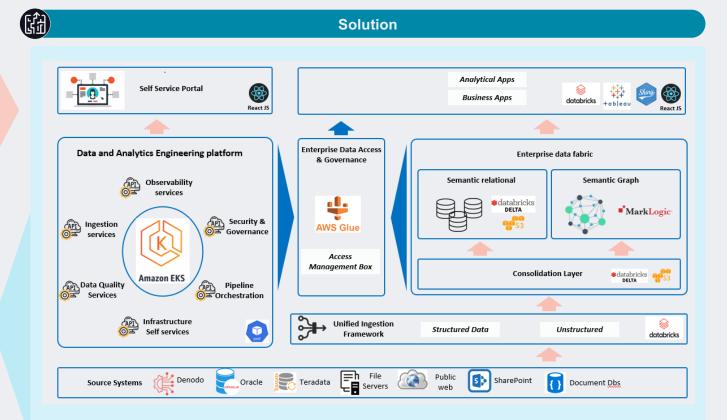
- Self service for app developers
- Reusable patterns for efficiency

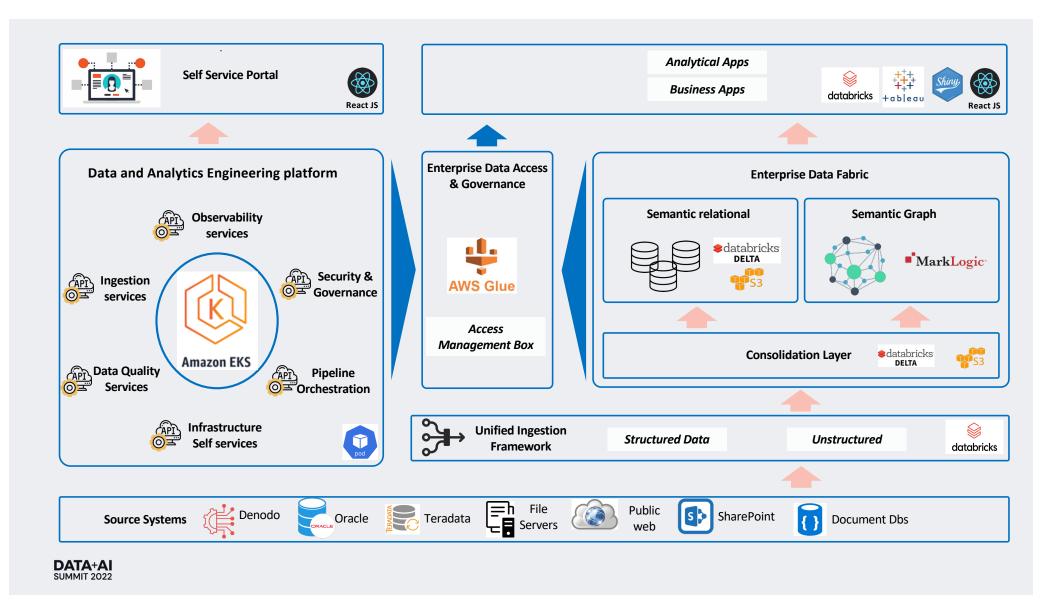
#### **User Experience**

• Co-located + connected + centrally accessible data

#### **Business Value**

- Durable capabilities eliminate duplicative spend
- Cross-functional insights







## **DISCOVERY & GOVERNANCE**

### Problem Statement



- Findability & Accessibility of data
- Disconnected data producers & consumers
- Data reusability challenging for multiple reasons

Benefits / Considerations

#### Productivity

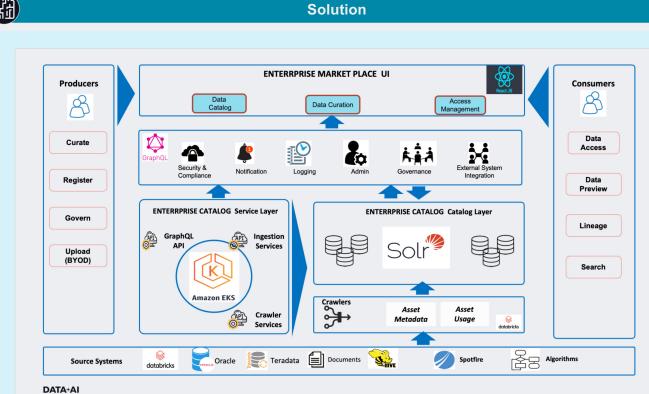
- Data scientists & engineers
- <8 hrs median time to get access

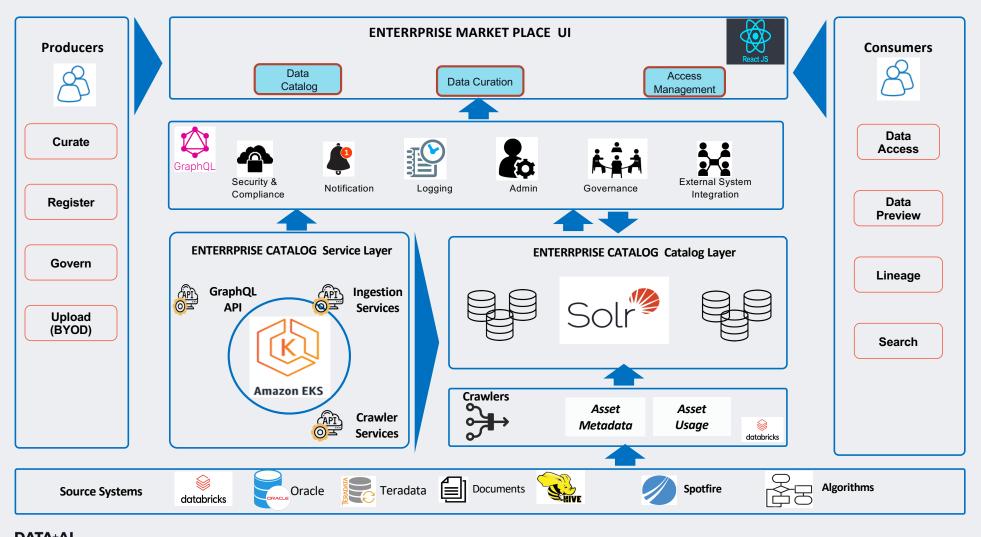
#### **User Experience**

- · Search anything
- Browse curated storefronts

#### **Business Value**

- · Reuse data assets
- · Easily govern data assets







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## **INSIGHTS FROM UNSTRUCTURED DATA**

#### Problem Statement

- Vast amounts of unstructured data
- Difficult to find content and extract insights
- Lack of standardization of data
- Increasing need for unified insights from structured + unstructured data

Benefits / Considerations

#### Productivity

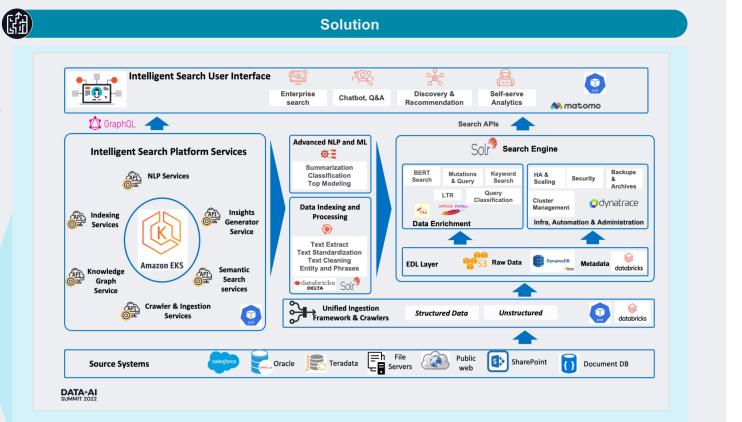
- · Corporate staff
- Knowledge workers

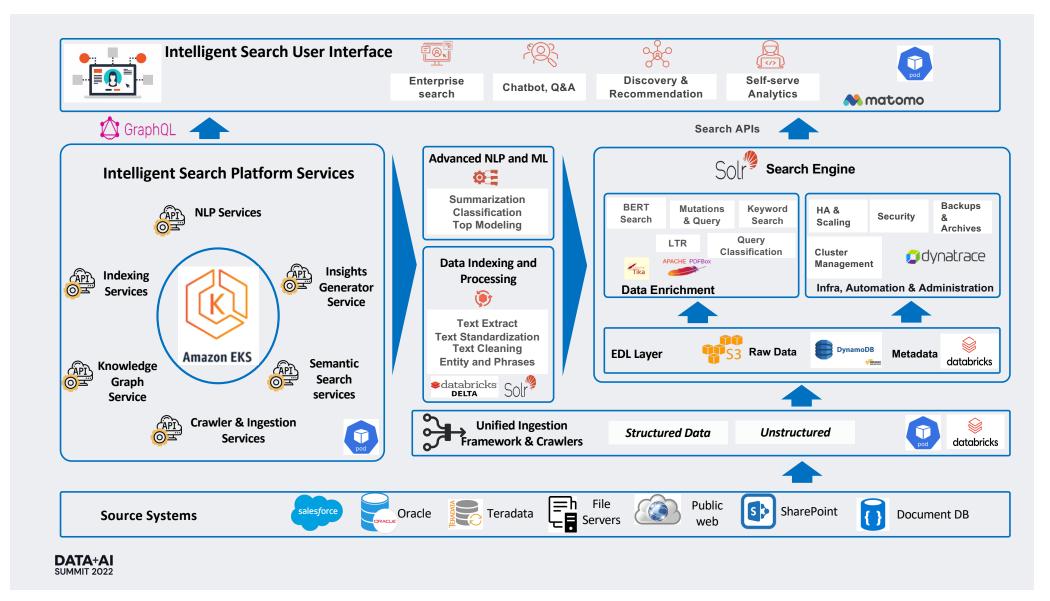
#### **User Experience**

- New ways to interact with data
- · Contextual search results
- Integrated in corporate portal

#### **Business Value**

- Reduce analytics outsourcing
- Net new analytics capability





# THANK YOU

